

PRIOR ART

FIG. 1

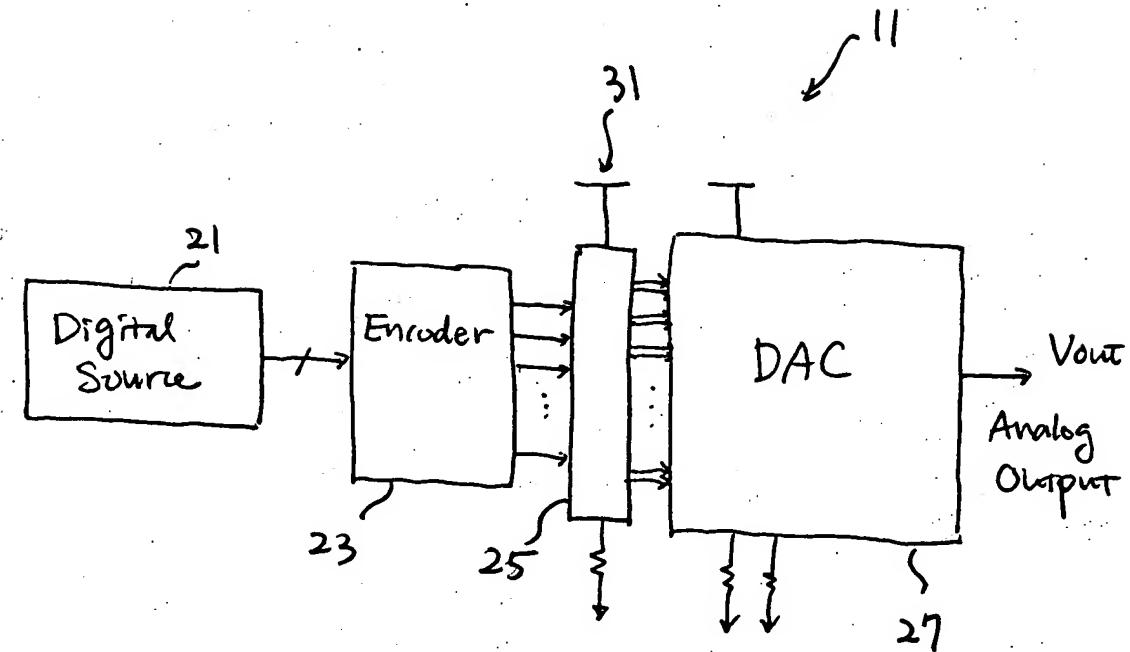


FIG. 2A

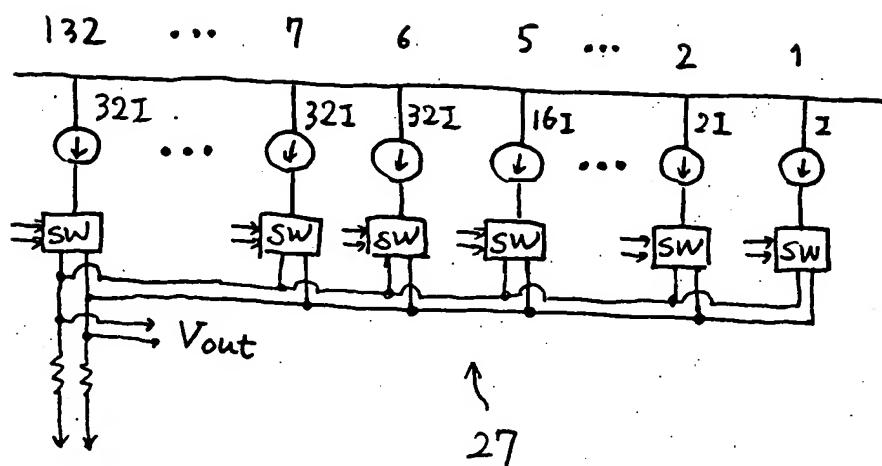


FIG. 2B

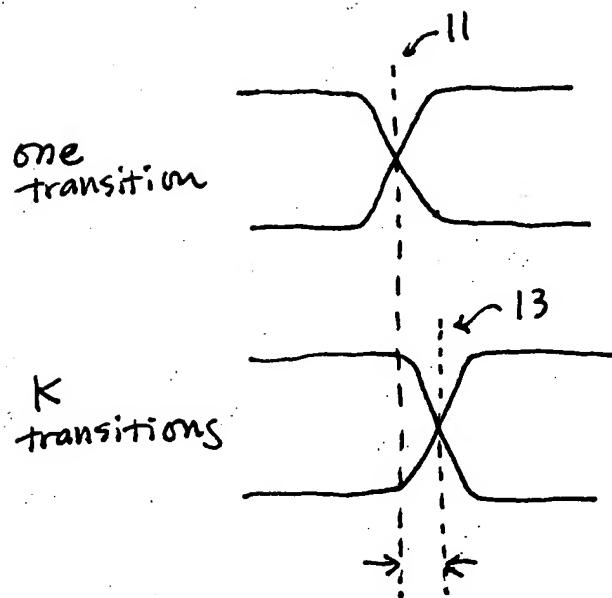
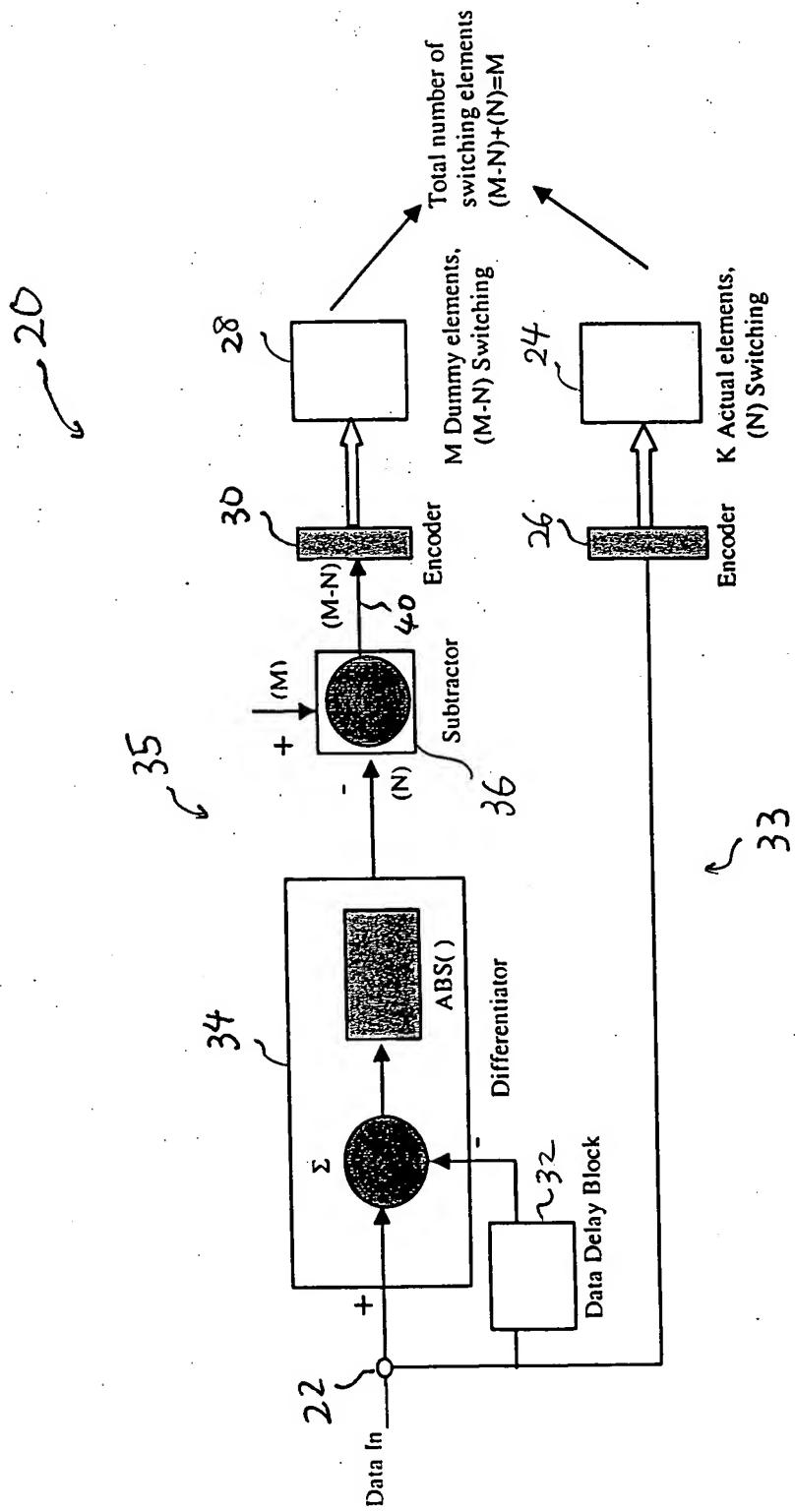


FIG. 2C



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DAC example 1 (7-bit Thermometer Encoded, 5-bit Binary Encoded), K=132

Signal Frequency (MHz)	Number of Transitions/Switching (N)
0.5	6
1	8
2	10
3	13
4	15
5	17
6	21
7	23
8	26
9	28
10	31

FIG. 4

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DAC Example 2 (10-bit Thermometer Encoded, 2-bit Binary Encoded), K=1025

<u>Signal Frequency (MHz)</u>	<u>Number of Transition/Switching (N)</u>
0.5	14
1	24
2	45
3	66
4	88
5	108
6	130
7	152
8	173
9	193
10	214

FIG. 5

DAC Example 3 (2-bit Thermometer Encoded, 10-bit Binary Encoded), K=13

<u>Signal Frequency (MHz)</u>	<u>Number of Transition/Switching (N)</u>
0.5	9
1	10
2	10
3	11
4	10
5	9
6	10
7	10
8	9
9	10
10	10

FIG. 6

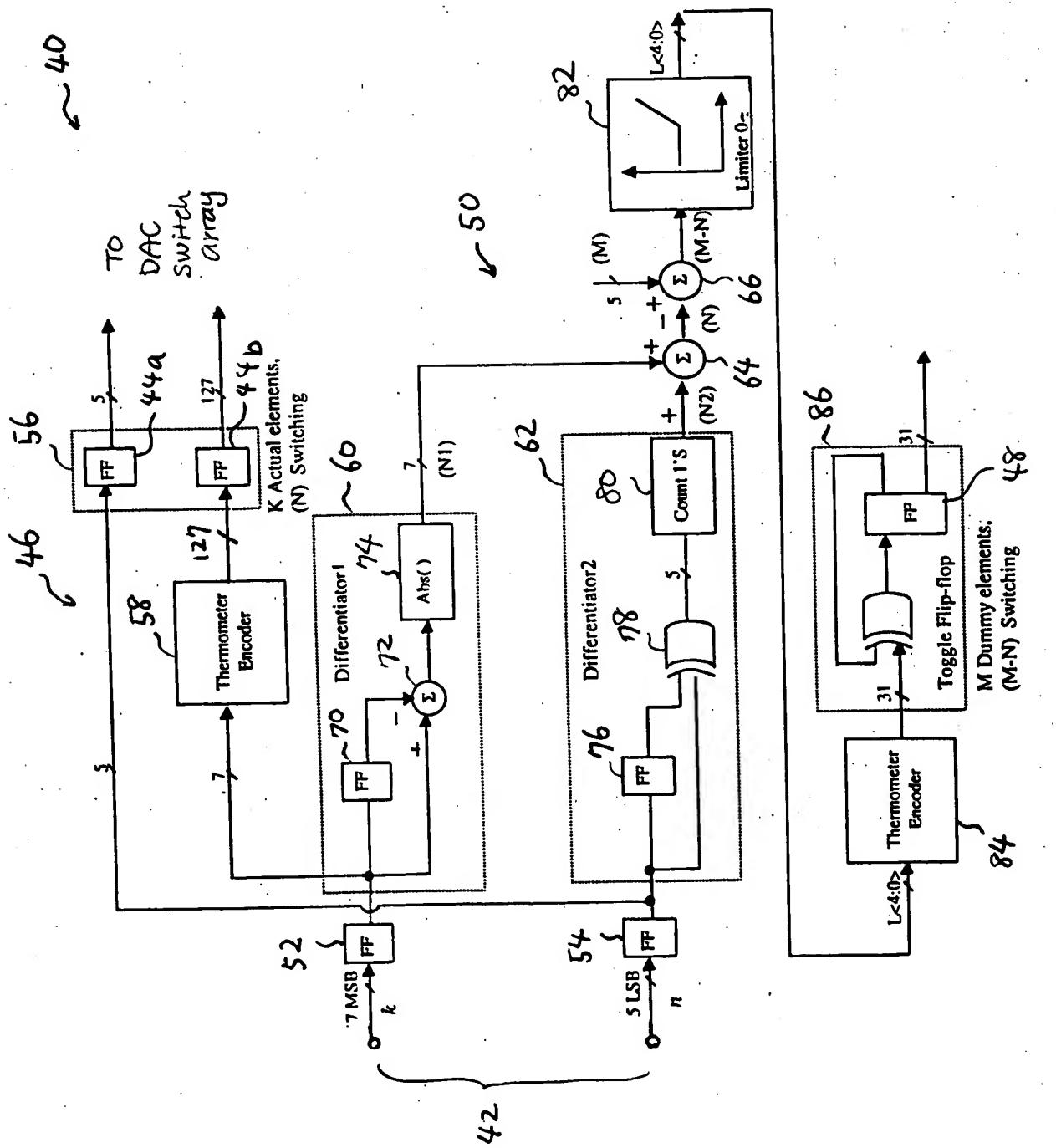


FIG. 7

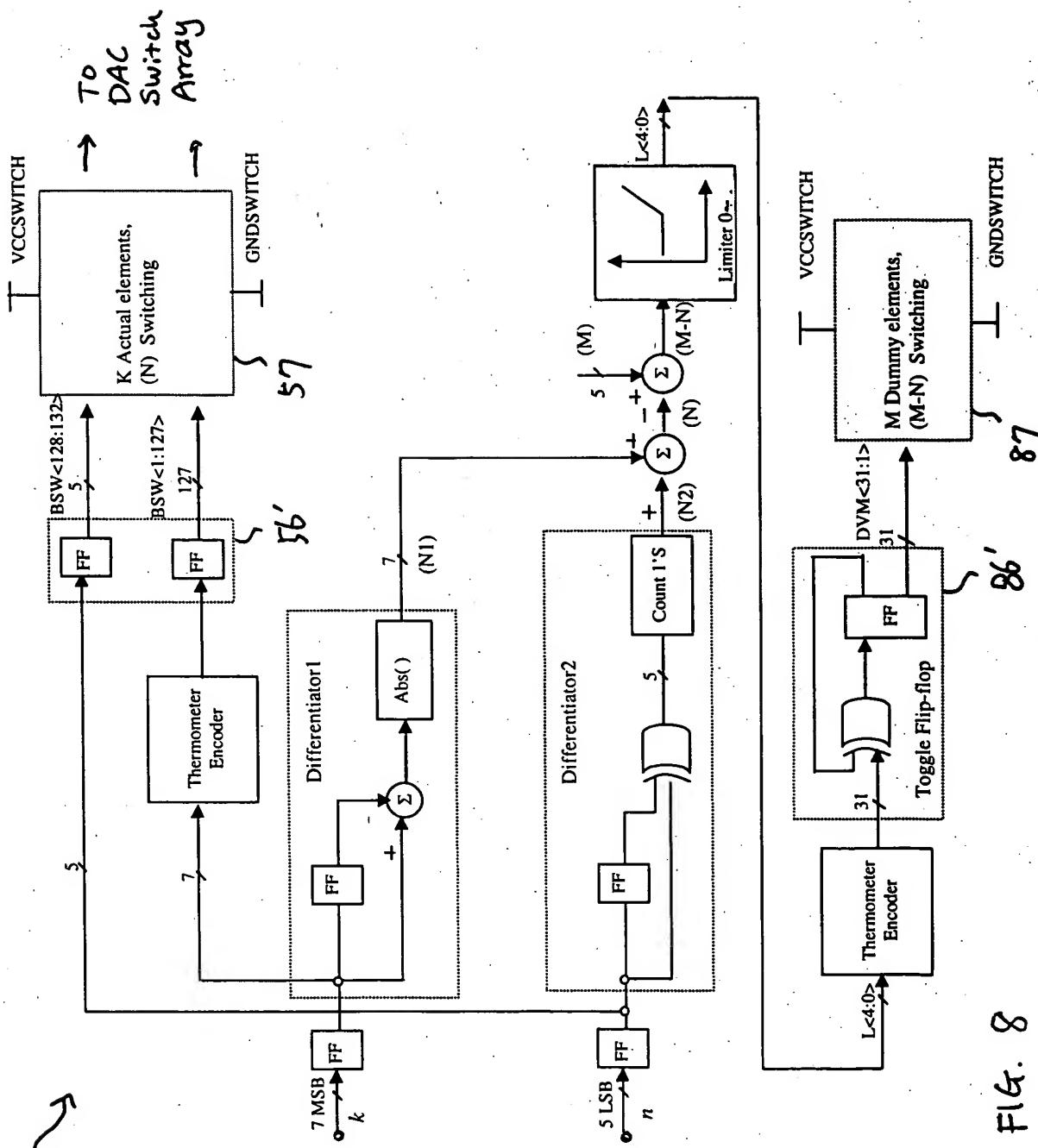


Fig. 8

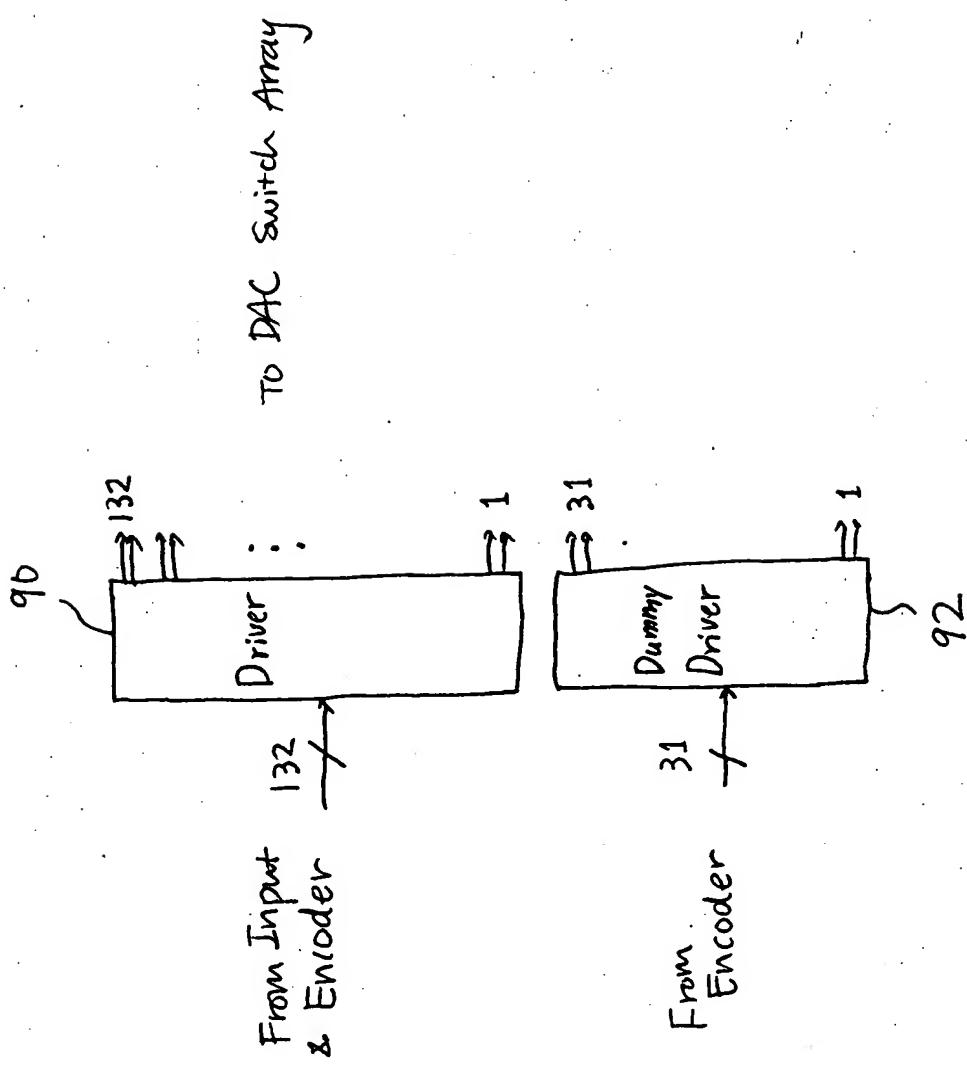


FIG. 9

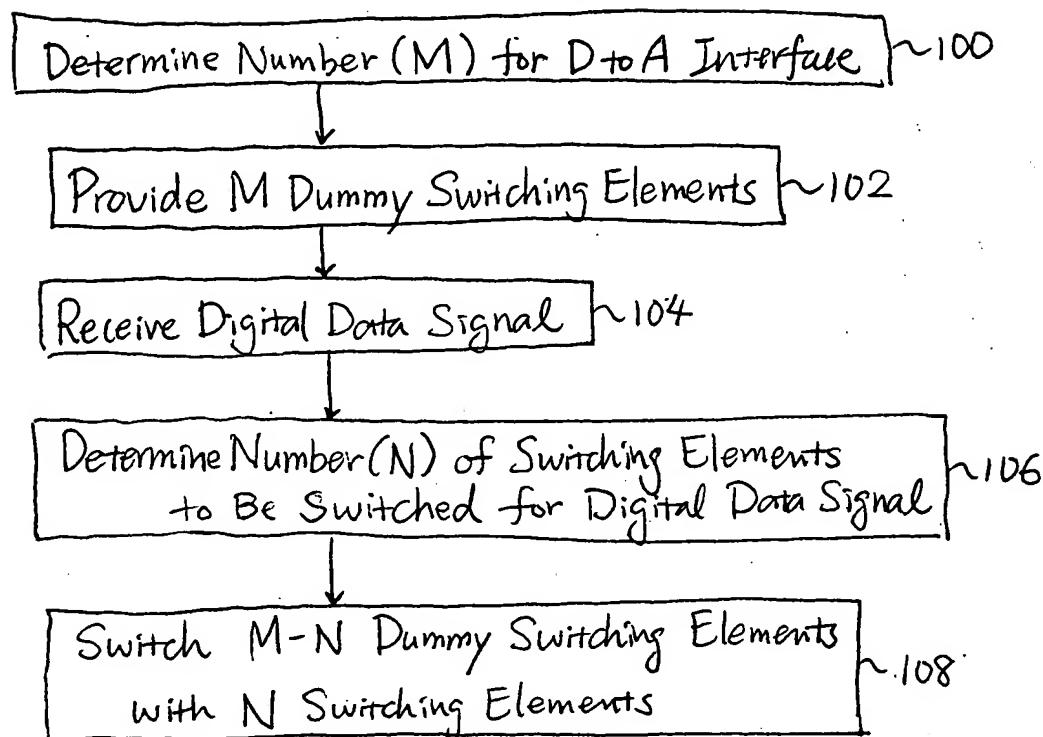


FIG. 10

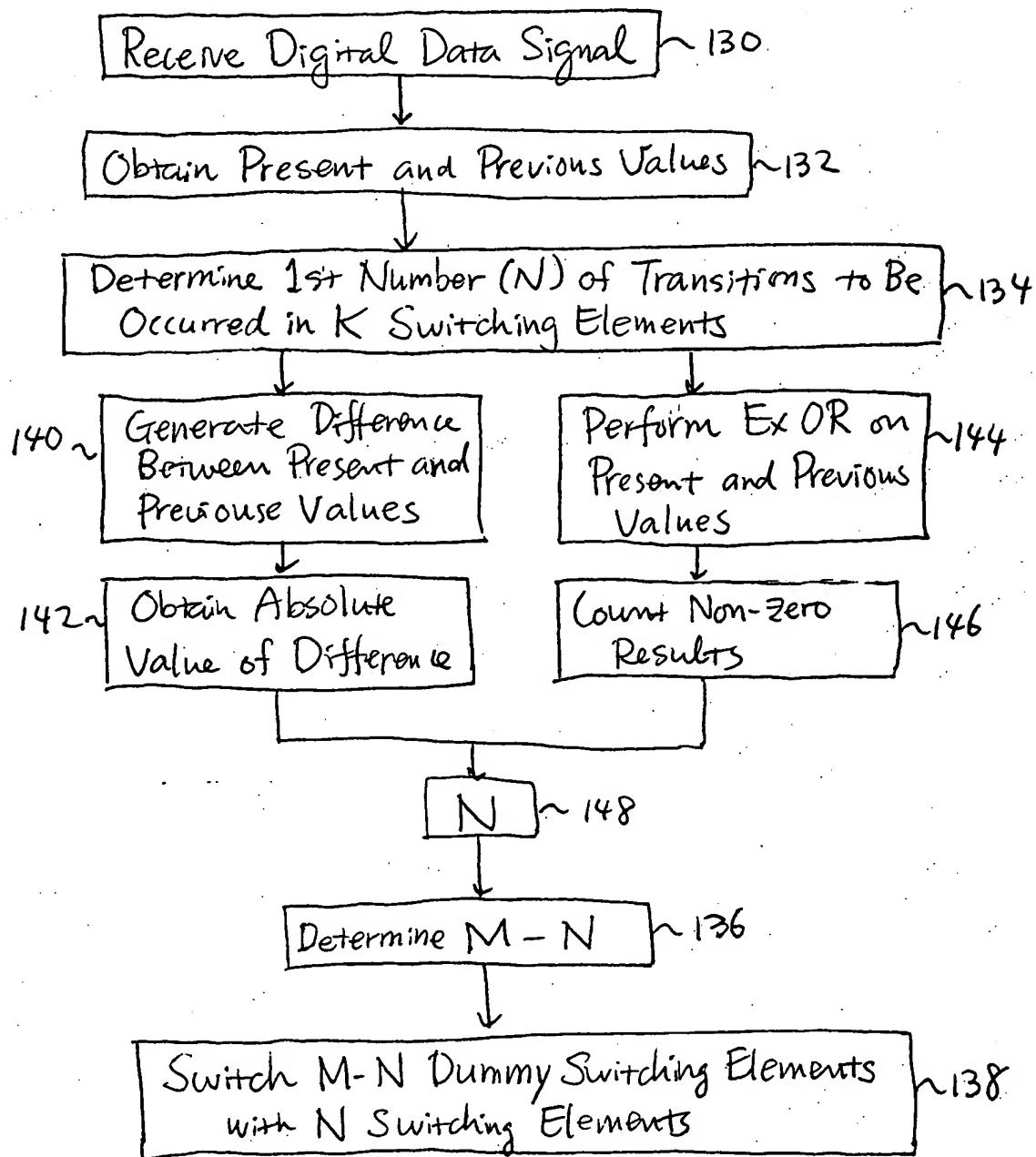


FIG. 11